

Docket No. 17400(BAR)

Wheeler et al

1



SEQUENCE LISTING

<110> Larry A. Wheeler  
Gerald W. DeVries

<120> METHODS AND COMPOSITIONS FOR TREATMENT  
OF OCULAR NEOVASCULARIZATION AND NEURAL INJURY

<130> 17400 (BAR)

<140> 10/020,541

<141> 2001-10-30

<150> 60/244,850

<151> 2000-11-01

<160> 4

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 418

<212> PRT

<213> Artificial Sequence

<220>

<223> Homo sapiens

<400> 1

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Ser	Ser	Cys	Gln	Asn	Pro	Ala	Ser	Pro	Pro	Glu	Glu	Gly	Ser	Pro	Asp
			20					25					30		
Pro	Asp	Ser	Thr	Gly	Ala	Leu	Val	Glu	Glu	Glu	Asp	Pro	Phe	Phe	Lys
			35				40					45			
Val	Pro	Val	Asn	Lys	Leu	Ala	Ala	Ala	Val	Ser	Asn	Phe	Gly	Tyr	Asp
			50			55					60				
Leu	Tyr	Arg	Val	Arg	Ser	Ser	Met	Ser	Pro	Thr	Thr	Asn	Val	Leu	Leu
65					70				75					80	
Ser	Pro	Leu	Ser	Val	Ala	Thr	Ala	Leu	Ser	Ala	Leu	Ser	Leu	Gly	Ala
				85				90					95		
Asp	Glu	Arg	Thr	Glu	Ser	Ile	Ile	His	Arg	Ala	Leu	Tyr	Tyr	Asp	Leu
			100					105					110		
Ile	Ser	Ser	Pro	Asp	Ile	His	Gly	Thr	Tyr	Lys	Glu	Leu	Leu	Asp	Thr
			115				120					125			
Val	Thr	Ala	Pro	Gln	Lys	Asn	Leu	Lys	Ser	Ala	Ser	Arg	Ile	Val	Phe
			130			135				140					
Glu	Lys	Lys	Leu	Arg	Ile	Lys	Ser	Ser	Phe	Val	Ala	Pro	Leu	Glu	Lys
145				150					155					160	
Ser	Tyr	Gly	Thr	Arg	Pro	Arg	Val	Leu	Thr	Gly	Asn	Pro	Arg	Leu	Asp

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OFFICE OF PETITIONS

Gly Pro

<212> PRT

**<220>**

Met Gln Ala Gln Gln Tyr Gln Gln Gln Arg Arg Lys Phe Ala Ala Ala

1	5	10	15
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Phe Leu Ala Phe Ile Phe Ile Leu Ala Ala Val Asp Thr Ala Glu Ala

20 25 30

Gly Lys Lys Glu Lys Pro Glu Lys Lys Val Lys Lys Ser Asp Cys Gly

35                  40                  45

Glu Trp Gln Trp Ser Val Cys Val Pro Thr Ser Gly Asp Cys Gly Leu

50                      55                      60

Gly Thr Arg Glu Gly Thr Arg Thr Gly Ala Glu Cys Lys Gln Thr Met

65					70					75					80
Lys	Thr	Gln	Arg	Cys	Lys	Ile	Pro	Cys	Asn	Trp	Lys	Lys	Gln	Phe	Gly
				85					90					95	
Ala	Glu	Cys	Lys	Tyr	Gln	Phe	Gln	Ala	Trp	Gly	Glu	Cys	Asp	Leu	Asn
			100					105					110		
Thr	Ala	Leu	Lys	Thr	Arg	Thr	Gly	Ser	Leu	Lys	Arg	Ala	Leu	His	Asn
		115					120					125			
Ala	Glu	Cys	Gln	Lys	Thr	Val	Thr	Ile	Ser	Lys	Pro	Cys	Gly	Lys	Leu
	130					135					140				
Thr	Lys	Pro	Lys	Pro	Gln	Ala	Glu	Ser	Lys	Lys	Lys	Lys	Lys	Glu	Gly
145					150					155					160
Lys	Lys	Gln	Glu	Lys	Met	Leu	Asp								
				165											

&lt;210&gt; 3

&lt;211&gt; 200

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Homo sapiens

&lt;400&gt; 3

Met	Ala	Phe	Thr	Glu	His	Ser	Pro	Leu	Thr	Pro	His	Arg	Arg	Asp	Leu
1				5					10					15	
Cys	Ser	Arg	Ser	Ile	Trp	Leu	Ala	Arg	Lys	Ile	Arg	Ser	Asp	Leu	Thr
			20					25					30		
Ala	Leu	Thr	Glu	Ser	Tyr	Val	Lys	His	Gln	Gly	Leu	Asn	Lys	Asn	Ile
		35				40						45			
Asn	Leu	Asp	Ser	Ala	Asp	Gly	Met	Pro	Val	Ala	Ser	Thr	Asp	Gln	Trp
	50					55				60					
Ser	Glu	Leu	Thr	Glu	Ala	Glu	Arg	Leu	Gln	Glu	Asn	Leu	Gln	Ala	Tyr
65					70					75					80
Arg	Thr	Phe	His	Val	Leu	Leu	Ala	Arg	Leu	Leu	Glu	Asp	Gln	Gln	Val
				85					90					95	
His	Phe	Thr	Pro	Thr	Glu	Gly	Asp	Phe	His	Gln	Ala	Ile	His	Thr	Leu
			100					105					110		
Leu	Leu	Gln	Val	Ala	Ala	Phe	Ala	Tyr	Gln	Ile	Glu	Glu	Leu	Met	Ile
		115					120					125			
Leu	Leu	Glu	Tyr	Lys	Ile	Pro	Arg	Asn	Glu	Ala	Asp	Gly	Met	Pro	Ile
	130					135					140				
Asn	Val	Gly	Asp	Gly	Gly	Leu	Phe	Glu	Lys	Lys	Leu	Trp	Gly	Leu	Lys
145					150					155					160
Val	Leu	Gln	Glu	Leu	Ser	Gln	Trp	Thr	Val	Arg	Ser	Ile	His	Asp	Leu
				165					170					175	
Arg	Phe	Ile	Ser	Ser	His	Gln	Thr	Gly	Ile	Pro	Ala	Arg	Gly	Ser	His
			180					185					190		
Tyr	Ile	Ala	Asn	Asn	Lys	Lys	Met								
		195					200								

&lt;210&gt; 4

&lt;211&gt; 247

<212> PRT  
<213> Artificial Sequence

<220>  
<223> Homo sapien

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Lys Ala Ala Pro Met Lys Glu Ala Asn Ile Arg Gly Gln Gly Gly Leu  
20 25 30  
Ala Tyr Pro Gly Val Arg Thr His Gly Thr Leu Glu Ser Val Asn Gly  
35 40 45  
Pro Lys Ala Gly Ser Arg Gly Leu Thr Ser Leu Ala Asp Thr Phe Glu  
50 55 60  
His Met Ile Glu Glu Leu Leu Asp Glu Asp Gln Lys Val Arg Pro Asn  
65 70 75 80  
Glu Glu Asn Asn Lys Asp Ala Asp Leu Tyr Thr Ser Arg Val Met Leu  
85 90 95  
Ser Ser Gln Val Pro Leu Glu Pro Pro Leu Leu Phe Leu Leu Glu Glu  
100 105 110  
Tyr Lys Asn Tyr Leu Asp Ala Ala Asn Met Ser Met Arg Val Arg Arg  
115 120 125  
His Ser Asp Pro Ala Arg Arg Gly Glu Leu Ser Val Cys Asp Ser Ile  
130 135 140  
Ser Glu Trp Val Thr Ala Ala Asp Lys Lys Thr Ala Val Asp Met Ser  
145 150 155 160  
Gly Gly Thr Val Thr Val Leu Glu Lys Val Pro Val Ser Lys Gly Gln  
165 170 175  
Leu Lys Gln Tyr Phe Tyr Glu Thr Lys Cys Asn Pro Met Gly Tyr Thr  
180 185 190  
Lys Glu Gly Cys Arg Gly Ile Asp Lys Arg His Trp Asn Ser Gln Cys  
195 200 205  
Arg Thr Thr Gln Ser Tyr Val Arg Ala Leu Thr Met Asp Ser Lys Lys  
210 215 220  
Arg Ile Gly Trp Arg Phe Ile Arg Ile Asp Thr Ser Cys Val Cys Thr  
225 230 235 240  
Leu Thr Ile Lys Arg Gly Arg  
245